

### REMARKS

Favorable reconsideration of this application, as presently amended and in light of the following discussion, is respectfully requested.

Claims 1, 3, and 5-9 are currently pending. Claims 2 and 4 have been canceled without prejudice; and Claims 1, 3, 5, and 7 have been amended by the present amendment. The changes to the claims are supported by the originally filed specification and do not add new matter.

In the outstanding Office Action, the Abstract was objected to as being more than 150 words; Claims 1-5 and 7-9 were rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 4,857,737 to Kamae et al. (hereinafter "the '737 patent"); and Claim 6 was rejected under 35 U.S.C. § 103(a) as being unpatentable over the '737 patent in view of U.S. Patent No. 5,793,045 to DiFilippo et al. (hereinafter "the '045 patent").

*Interview Record ok  
SL 12/15/05*  
Applicants wish to thank the Examiner for the interview granted Applicant's representative on October 6, 2005, at which time the rejection of Claim 5 and a proposed amendment to Claim 1 were discussed. However, no agreement was reached pending the Examiner's further consideration of the claims upon formal submission of a response to the outstanding Office Action.

In response to the objection to the Abstract, the Abstract has been amended to be less than 150 words. Accordingly, the objection the Abstract is believed to have been overcome.

Amended Claim 1 is directed to a nuclear medicine diagnostic apparatus, comprising:  
(1) a radiation detector in a form of a single layer including a plurality of semiconductor cells that are arranged in a matrix, detect radiation separately, and output signals representing an energy of the radiation separately; (2) a selection circuit which, in order to select, among events wherein the radiation is detected, a specific event wherein radiation derived from a radio-isotope injected into a subject is detected and a total energy of not less than two